

Assignment -2
Internet of Things

Assignment Date	06 October 2022
Student Name	M.Muthu Meenakshi
Student Roll Number	912619104013
Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi. Note: you are allowed to use web search and complete the assignment.

Solution:

#code for Traffic lights

```
from gpiozero import Button, TrafficLights, Buzzer    from
time import sleep
```

```
buzzer = Buzzer(15)    button
= Button(21)
lights = TrafficLights(25, 8, 7)
```

```
while True:
    button.wait_for_press()
    buzzer.on()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)    lights.off()
    buzzer.off()
```

#code for LED

```
import RPi.GPIO as GPIO from
time import sleep
GPIO.setmode
(GPIO.BOARD) GPIO.setup
(11,GPIO.OUT) while True:
GPIO.output(11,True)
time.sleep(2)
GPIO.output(11,False)
time.sleep(2)
```